



Atty. Dkt. No. 041129-0110  
Appl. No. 10/553,417

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: John Patrick FITZGERALD et al  
Title: PSEUDO-RANDOM BINARY SEQUENCE  
GATE-SWITCHING FOR SPECTROMETERS  
Appl. No.: 10/553,417  
Filing Date: October 17, 2005  
Examiner: Phillip A. JOHNSTON  
Art Unit: 2881  
Confirmation Number: 1526

**AMENDMENT AND REPLY UNDER 37 CFR § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated September 10, 2007, concerning the above-referenced patent application. It is timely filed, because it is being filed within three months of the mailing date of the Office Action.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks** begin on page 4 of this document.

Please amend the application as follows: